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Jan. 5, 1989
SPEAKER

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ABSTRACT:

PURPOSE: To prevent the generation of an abnormal sound caused by contact between a tinsel cord and components the disconnection of a tinsel cord connecting part, independently of an interval between a diaphragm and a damper by wiring by interweaving the tinsel cord with damper cotton cloth.

CONSTITUTION: The intermediate part of the bobbin of a voice coil 25

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connected with the field part 19 of the diaphragm 23 is held by the damper 17 which is manufactured by an undermentioned process. Namely, the cotton cloth in which several pieces of the tinsel cords, the core material which is cotton yarn or synthetic fiber yarn are interwoven continuously, and a similar interweaving is provided in parallel as keeping a prescribed interval is impregnated with resin. and the several wave-shaped corrugations of a concentric circle, the center which is the middle of both the tinsel cord bands 26, are molded. The central part of the damper 27 is punched into a projecting shape that the tinsel cord bands 26 protrude to the inside of a diameter by a prescribed length; and a circular hole is formed by bending the protruding tinsel cord bands 28 by a right angle at their roots, and the coil bobbin is inserted and connected to this hole. Besides, the lead wires of the coil 25 are connected to the tinsel cord bands 28 at the side wall of the bobbin, and protruding tinsel cord bands 29 provided on the external circumference of the damper 27 are connected to terminals 20.